## EK380732521US

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute	e for form 1449,	A/PTO		Complete if Known		
				Application Number		
INFO	PRMATIC	ON DIS	CLOSURE	Filing Date	March 28, 2001	
STA'	TEMEN1	BY A	PPLICANT	First Named Inventor	Durand R. Begault	
				Group Art Unit		
•	(use as man	y sheets as	necessary)	Examiner Name		77
Sheet	1	of	2	Attorney Docket Number	ARC-14556-1	<b>一</b> フ

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document  Kind Code <sup>2</sup> (if known)	Name of Palentee or Applicant of Cited Document	Date of Publication of Cited Occument MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Retevant Figures Appear	
BIP		4,644,327	R.D. Patterson	02/17/87		
BW		4,768,022	R.D. Patterson	08/30/87		
879		4,802,225	R.D. Patterson	01/31/89		
811		5,422,977	R.D. Patterson	06/06/95		
*						
					·	
					· · · · · · · · · · · · · · · · · · ·	
		<u> </u>			·····	
		ļ	`			
			<u> </u>			
		1	1			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document			Name of Patentee	Date of Publication of	Pages, Columns, Lines,	
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> ( <i>if known</i> )	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Τ <sup>6</sup>
	_	ļ						
<del></del>		1						
		<del></del>	<u> </u>		<u></u>	· ·		
				_				
		<del> </del>	ļ					••••
		+						

		·			
Examiner Signature	2. 2. 2.		Date Considered	6 23 05	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique cilation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (MPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO		Complete if Known	
WEADAL TION DIO. 00110F	Application Number		
INFORMATION DISCLOSURE	Filing Date	March 28, 2001	ώ <u>τ</u> [
STATEMENT BY APPLICANT	First Named Inventor	Durand R. Begault	22
	Group Art Unit		9,6
(use as many sheets as necessary)	Examiner Name		
Sheet 2 of 2	Attorney Docket Number	ARC-14556-1	

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
BTP	1.	H. Fletcher, Rev. Mod. Phys. Vol.12 (1940) pp. 47-65				
1		K. Zwicker, Jour. Acoust. Soc. Amer., Vol. 33 (1961), p. 248				
	,	D. R. Begault, *3-D Sound for Virtual Reality and Multimedia*, NASA/TM-2000-209606 (August 2000), pp. 31-67				
		D.W. Grantham and F.L. Wightman, Jour. Acoust. Soc. Amer., Vol. 65 (1979) pp. 1509-1517				
		D.W. Grantham, "Spatial" Hearing and Related Phenomena", (in) B.C.J. Moore, <u>Hearing</u> , Academic Press, 1995, pp. 297-345				
		J.F. Cutting and H.S. Colburn, Jour. Acoust. Soc. Amer., Vol. 107 (2000) pp. 517-527				
		ISO Standard 5129 (1981) *Acoustics – Measurement of noise inside aricraft*				
7		ISO Standard 7731 (1986) *Danger signals for work places-Auditory danger signals*				
BTP		ISO Standard 8201 (1987) "Acoustics-Audible emergency evacuation signal"				
		·				

Examiner Signature 2.2	Date Considered	6   23   05
------------------------	--------------------	-------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

SF 1156708 v1

<sup>1</sup> Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.